

Customer No.: 31561
Application No.: 10/707,456
Docket No.: 11608-US-PA

Claim Amendment

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

5 1. (currently amended) An alternating current plasma display panel,
comprising a plurality of pixels, a plurality of common data electrodes, and a plurality
of row electrodes, each of said plurality of pixels including a first sub-pixel, a second
sub-pixel, and a third sub-pixel arranged in a delta configuration, said first sub-pixel,
said second sub-pixel, and said third sub-pixel being for emitting different visible
10 lights respectively, said plurality of common data electrodes being disposed below
said plurality of pixels, said plurality of row electrodes being disposed above said
plurality of pixels; wherein

three of said second sub-pixels and three of said third sub-pixels
alternately enclose each of said first sub-pixels, three of said first sub-pixels and three
15 of said third sub-pixels alternately enclose each of said second sub-pixels, and three of
said first sub-pixels and three of said second sub-pixels alternately enclose each of said
third sub-pixels; and

each of said plurality of common data electrodes is zigzag or straight
arranged and passes through a same amount of said first sub-pixels, said second sub-
20 pixels, and said third sub-pixels.

2. (currently amended) The alternating current plasma display panel of
claim 1, wherein each of said first sub-pixels, said second sub-pixels, and said third
sub-pixels ~~are~~ has a hexagonal shape, and said first sub-pixels, said second sub-pixels,
and said third sub-pixels are arranged in a honeycombed pattern.

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3. (currently amended) The alternating current plasma display panel of claim 1, wherein each of said first sub-pixels, said second sub-pixels, and said third sub-pixels ~~is~~ has a rectangular, polygonal, or round shape.

4. (original) The alternating current plasma display panel of claim 1,
5 wherein each of said plurality of row electrodes includes a bus electrode and a sustain electrode.

5. (original) The alternating current plasma display panel of claim 4, wherein a material of said sustain electrode includes a transparent conducting material.

6. (original) The alternating current plasma display panel of claim 1,
10 wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are for emitting red, green, and blue visible lights, respectively.

7. (currently amended) An alternating current plasma display panel, comprising a plurality of pixels, a plurality of common data electrodes, and a plurality of row electrodes, each of said plurality of pixels including three sub-pixels arranged
15 in a delta configuration, said three sub-pixels being for emitting different visible lights respectively, said plurality of common electrodes being disposed below said plurality of sub-pixels, said plurality of row electrodes being disposed above said plurality of sub-pixels, wherein

said sub-pixels are arranged so that each row of said sub-pixels is for
20 emitting a same visible light and two adjacent rows are for emitting different visible lights ; and

each of said plurality of common data electrodes is zigzag or straight arranged and passes through said each row of said sub-pixels.

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8. (currently amended) The alternating current plasma display panel of claim 7, wherein each of said sub-pixels ~~are~~ has a hexagonal shape and said sub-pixels are arranged in a honeycombed pattern.

9. (currently amended) The alternating current plasma display panel of claim 7, wherein each of said sub-pixels ~~is~~ has a rectangular, polygonal, or round shape.

10. (original) The alternating current plasma display panel of claim 7, wherein each of said plurality of row electrodes includes a bus electrode and a sustain electrode.

11. (original) The alternating current plasma display panel of claim 10, wherein a material of said sustain electrode includes a transparent conducting material.

12. (currently amended) The alternating current plasma display panel of claim 7, wherein said each row of said sub-pixels is for emitting one of red, green, and blue visible lights.

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13. (currently amended) An alternating current plasma display panel,
comprising a plurality of pixels, a plurality of common data electrodes, and a plurality
of row electrodes, each of said plurality of pixels including a first sub-pixel, a second
sub-pixel, and a third sub-pixel arranged in a delta configuration, said first sub-pixel,
5 said second sub-pixel, and said third sub-pixel being for emitting different visible
lights respectively, said plurality of common data electrodes being disposed below
said plurality of pixels, said plurality of row electrodes being disposed above said
plurality of pixels; wherein

each row of said sub-pixels ~~is~~ are arranged with said first sub-pixels,
10 said second sub-pixels, and said third sub-pixels in a cyclic order, only one of six sub-
pixels enclosing one of said first pixels is a first pixel, only one of six sub-pixels
enclosing one of said second pixels is a second pixel, and only one of six sub-pixels
enclosing one of said third pixels is a third pixel; and

each of said plurality of common data electrodes is zigzag or straight
15 arranged and passing through a same amount of said first sub-pixels, said second sub-
pixels, and said third sub-pixels.

14. (currently amended) The alternating current plasma display panel
of claim 13, wherein each of said first sub-pixels, said second sub-pixels, and said
third sub-pixels ~~are~~ has a hexagonal shape, and said first sub-pixels, said second sub-
20 pixels, and said third sub-pixels are arranged in a honeycombed pattern.

15. (currently amended) The alternating current plasma display panel of
claim 13, wherein each of said first sub-pixels, said second sub-pixels, and said third
sub-pixels ~~is~~ has a rectangular, polygonal, or round shape.

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16. (original) The alternating current plasma display panel of claim 13,
wherein each of said plurality of row electrodes includes a bus electrode and a sustain
electrode.

17. (original) The alternating current plasma display panel of claim 16,
5 wherein a material of said sustain electrode includes a transparent conducting material.

18. (original) The alternating current plasma display panel of claim 16,
wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are for
emitting red, green, and blue visible lights, respectively.

forming an organic light-emitting layer; and

10 defining the organic light-emitting layer to form a plurality of openings
thereon, wherein the openings expose the interconnection regions.